

**AGENDA
UTILITIES SERVICE BOARD MEETING**

Utilities Service Board Room
City of Bloomington Utilities Department Administrative Building
600 E. Miller Dr.
Bloomington, Indiana 47401

Tom Swafford, President
John Whikehart, Vice President
Jeff Ehman
Sam Frank
Julie Roberts
Pedro Roman
Jason Banach
Tim Mayer, ex-officio
Tom Micuda, ex-officio

**December 8, 2008
5:00 P.M. Regular Meeting**

- I. Call to order
- II. Approval of the minutes of previous meeting (November 24)
- III. Approval of the claims
- IV. Request for approval of the PER for the South Central Sewer Rehabilitation Project - Phil Peden & Joe Teusch
- V. Old business
- VI. New business
- VII. Subcommittee reports
- VIII. Staff reports
- IX. Petitions and communications*
- X. Adjournment

* Brief public comment will be limited to 5 minutes per person.

UTILITIES SERVICE BOARD MEETING

November 24, 2008

Utilities Service Board meetings are recorded electronically or stenographically and are available during regular business hours in the office of the Director of Utilities.

Board President Swafford called the regular meeting of the Utilities Service Board to order at 5:00 p.m. The meeting was held in the Utilities Service Board room at the City of Bloomington Utilities Department Administrative Building in Bloomington, Indiana.

Board members present: Tom Swafford, Sam Frank, Jeff Ehman, John Whitehart, Julie Roberts, Jason Banach and ex-officio member Tom Micuda. Staff members present: Patrick Murphy, John Langley, Tom Staley, Missy Waldon, Michael Horstman, Jon Callahan, Jane Fleig, Mike Hicks, and Mike Bengtson. Others present: Jaysan Watt and Jim Trachtman representing ms consultants and Jack Wittman, Dan Haddock and Sherry Mitchel-Brooker representing Wittman Hydrologic Planning Association.

MINUTES

Board member Roberts moved and Board member Ehman seconded the motion to approve the minutes of the November 10th meeting with corrections. Motion carried, 6 ayes, 1 member absent, (Roman).

CLAIMS

Board member Roberts moved and Board member Banach seconded the motion to approve the claims as follows:

Claims 0891611 through 0891687 including \$574,468.42 from the Water Operations & Maintenance fund and \$23,450.00 from the Water Construction fund for a total of \$597,918.42 from the Water Utility; Claims 0830191 through 0831106 including \$170,550.58 from the Wastewater Operations & Maintenance fund for a total of \$170,550.58 from the Wastewater Utility; and claims 0870124 through 0870129 including \$56,841.96 from the Wastewater/Storm water Utility and \$2,292.94 from the Storm water Construction fund for a total of \$59,134.90 from the Wastewater/Storm water Utility. Total claims approved – \$827,603.90.

Board member Ehman asked about the claim for Apparatus Service Corporation. He asked to be reminded what the cost sharing arrangement is for the confined space apparatus. He thought he remembered an arrangement with the Fire Department and Indiana University. Superintendent of Operations Staley said he wasn't sure about a cost sharing arrangement. Utilities buys gas and maintains the equipment because the calibration is done by Utilities. Mr. Ehman asked if Utilities is the sole provider of the operations and maintenance of the equipment. Mr. Staley agreed. Mr. Ehman asked if the cost sharing had to do with the purchase of the vehicle. He remembered that other entities would be using it and thought that might have been where the cost sharing took place. Mr. Staley said he would check into the matter. Utilities is responsible for the maintenance of the confined space entry equipment but not any vehicles. Mr. Swafford informed the newer members of the USB the reason this equipment had been bought was because previously it had been necessary to bring a company from Indianapolis to perform these operations. That had been very expensive. Mr. Ehman asked if the Fire Department maintains the vehicle. Mr. Staley said they do since it is their vehicle.

Mr. Ehman also asked about a payment to City of Bloomington Utilities. He questioned why so much is being paid for wastewater, not very much for water and none for storm water. Assistant Director of Finance Horstman said this breakdown doesn't make much sense so he will check into it.

Wire transfers and fees for the month of October 2008:

Board member Roberts moved and Board member Frank seconded the motion to approve the wire transfers and fees for the month of October 2008 in the amount of \$605,883.47.

Motion carried, 6 Ayes, 1 member absent, (Roman).

Investments for the month of October 2008:

Board member Roberts moved and board member Whikehart seconded the motion to approve the investments for the month of October 2008 in the amount of \$26,170,000.00.

Motion carried, 6 ayes, 1 member absent, (Roman).

REQUEST FOR APPROVAL OF CHANGE ORDER NO. 1 WITH CRIDER & CRIDER:

Capital Projects Coordinator Hicks said this is the first and final change order for the Dunn St. Emergency Culvert Replacement Project. The change order will allow for the reconciliation of the contract amount and the closing of the project. There were three changes made in the field during this project that resolve five different matters. Four of these were additions to the contract amount and one was a deduction to it. The net is an increase of \$5,715.80 to the original contract amount of \$145,400. Mr. Hicks introduced Jayson Watt, and Jim Tractman of ms consultants. Mr. Watt explained the items in this Change Order.

Mr. Watt said Change No. 1 was a modification to the footings due to the high ground water levels. The decision was made to go with a concrete instead of a stone base for the footings. The additional cost for that was \$2,148.49.

Change No. 2 was because the fiber optic utilities depth was higher than indicated which caused additional costs in concrete and steel. Those costs were \$2,456.48.

Change No. 3 has 3 separate items one of which is a credit to the project. That was for \$1,018.45. The footers had to be saw-cut to allow the anchors to set which was a cost of \$807.50. There was also some existing asphalt that needed to be removed and replaced at a cost of \$1,321.78.

Mr. Hicks reminded the USB that this project is to be reimbursed 100% by the Federal Highway Administration Emergency Relief Program. The culvert was damaged during the floods that occurred in June of 2008. The reimbursement includes the construction done by Crider & Crider, the engineering services by ms consultants and the geo-technical surveys by CTL Engineering.

Board President Swafford asked if Utilities' staff time would be reimbursed. Mr. Hicks said it would not.

Mr. Hicks said a bill for \$10,000 for the relocation of Vectren's 10" high pressure gas main had also been included.

Board member Roberts moved and board member Banach seconded the motion to approve Change Order No. 1 with Crider & Crider. Motion carried, 6 ayes, 1 member absent, (Roman).

Mr. Hicks thanked ms consultants for their assistance with this project.

OLD BUSINESS:

No old business was presented.

NEW BUSINESS:

Utilities Director Murphy informed the USB that the December 22nd meeting will probably be a "claims only" meeting. He also said there would be a public hearing on November 25th for Preliminary Engineering Report for the Wet Weather Improvements Project.

SUBCOMMITTEE REPORTS:

There were no subcommittee meetings.

STAFF REPORTS:

Jack Wittman of WHPA gave an update on the Water Conservation Plan. He presented graphs showing statistics about water pumping and consumption data. The graphs are attached to these minutes.

Board member Banach asked Mr. Wittman if the data used in creating these graphs had been acquired by going through customer's bills and records. He wanted to know if it is empirical data and not guess work. Mr. Wittman said they are the actual numbers that came out of Utilities' records.

Mr. Wittman said they had been interviewing and meeting with various different interest groups in the community to get their input for this plan. It will be necessary to have a work session with the USB to get input from them as well. It will also allow the USB to see what other people have been saying.

Eventually there will be an entire report based on the data that has been gathered.

Board member Ehman said he has been interested in short term conservation measures. He has been frustrated that no one has proved, or shown to him, that short term conservation measures would not be able to address the supply problem by reducing demand. He hopes the report will discuss this. Mr. Wittman said the report will make estimates of what they believe short term and long term measures will be able to achieve. Mr. Ehman said he wants someone to show him that building a new plant is something that must be done. No one has shown him, on paper, that it wouldn't be possible to just use conservation measures.

Utilities Director Murphy said it has been beneficial for Utilities to look at data in this way. It allows for planning about how to keep data in such a way as to give useful information.

PETITIONS AND COMMUNICATIONS:

There were no petitions or communications.

ADJOURNMENT:

The meeting was adjourned at 6:10 p.m.

L. Thomas Swafford, President

**UTILITIES SERVICE BOARD MOTION
MEETING ON DECEMBER 08, 2008**

To: Tom Swafford, President
Dept. Utilities Service Board
Sub: Claims list filed: 12/03/08
USB: 12/08/08
For Period: 11/10/08 - 11/21/08
G/L Date: 12/12/2008

From: Kim Robertson
Dept. Accounts Payable
Date: 12/04/08

Paydate: 12/12/08

Utilities Department claims filed with the City Controller December 03, 2008 and signed by the Utilities Service Board for payment December 12, 2008 as in accordance with the Utilities Service Board Resolution of August 7, 1973, be hereby approved and entered into the minutes of today's meeting. A copy of the list is filed, with any exceptions noted, is hereby attached and made a part of these proceedings.

Water Operations & Maintenance	93,601.81
Water Construction	0.00
Water Meter Deposit	0.00
Water Sinking	0.00
Water Hydrant Meter Rental	1,700.00

Total of Water Utilities as per the claims list:	<u><u>\$95,301.81</u></u>
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Wastewater Operations & Maintenance	1,308,856.15
Wastewater Construction	0.00
Wastewater Sinking	0.00

Total of Wastewater Utilities as per the claims list:	<u><u>\$1,308,856.15</u></u>
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Stormwater	160,712.12
Stormwater Construction	0.00

Total of Stormwater Utility as per the claims list:	<u><u>\$160,712.12</u></u>
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Total Water Utility:	<u><u>\$95,301.81</u></u>
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Total Wastewater Utility:	<u><u>\$1,308,856.15</u></u>
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Total Stormwater Utility:	<u><u>\$160,712.12</u></u>
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TOTAL WATER, WASTEWATER & STORMWATER UTILITIES	<u><u>\$1,564,870.08</u></u>
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REGISTER OF CLAIMS
City of Bloomington Utilities
Water and Wastewater Department
For Period: _____ thru _____.

Paydate : 12-DEC-2008

Claim NBR	Name of Claimant	Total Claim Amount	Water Amount	Wastewater Amount	Stormwater Amount	Memorandum
0831107	JACOBS, MARY	10.68	0.00	10.68	0.00	CUSTOMER REFUND FOR OVERPAYMENT ON ACCOUNT # 110935 - AR
0831108	GOODMAN, SARAH E	2.58	0.00	2.58	0.00	CUSTOMER REFUND FOR OVERPAYMENT ON ACCOUNT # 105478 - AR
0831109	MAYBERRY, LORRAINE M	5.76	0.00	5.76	0.00	CUSTOMER REFUND FOR OVERPAYMENT ON ACCOUNT # 103841 - AR
0831110	SCOTT, GREG	34.29	0.00	34.29	0.00	CUSTOMER REFUND FOR OVERPAYMENT ON ACCOUNT # 97535 - AR
0831111	APPARATUS SERVICE CORP	145.00	0.00	145.00	0.00	CONFINED SPACE TEST GAS - DR
0831112	BATTERIES PLUS	120.61	0.00	120.61	0.00	1 12-VOLT BATTERY, 4 PK D-CELL BATTERIES, 4 PK AA BATTERIES - DR
0831113	BATTERIES PLUS	131.50	0.00	131.50	0.00	1 GENERATOR BATTERY FOR GRIMES LIFT STATION - LS, TD
0831114	BLOOMINGTON PAINT AND WALLPAPER CO	131.81	0.00	131.81	0.00	MISC PAINT & SUPPLIES FOR PUMPS - DR
0831115	BREHOB CORPORATION	2,280.00	0.00	2,280.00	0.00	UV HOIST REPAIRS LOWER BLOCK ASSEMBLY, WIRE ROPE, WIRE ROPE SLING - BP
0831116	CINTAS FIRST AID & SAFETY	264.66	0.00	264.66	0.00	RESTOCK FIRST AID CABINET @ DILLMAN WWTP - 11/18/08 - DR
0831117	CONTINENTAL RESEARCH CORP	260.97	0.00	260.97	0.00	RUBBER SEALANT - BP
0831118	ENVIRONMENTAL FIELD SERVICES INC	11,696.66	0.00	11,696.66	0.00	OPERATION & MAINTENANCE SERVICES FOR THE ILLINOIS CENTRAL WATER TREATMENT PLANT - OCTOBER 2008 - ENV
0831119	FASTENAL CO	115.06	0.00	115.06	0.00	SOCKET SET AND COMBO WRENCH - DR
0831120	GREELEY AND HANSEN ENGINEERS	5,305.65	0.00	5,305.65	0.00	(S06-5000) - AGREED ORDER COMPLIANCE PLAN ASSISTANCE - PREPARATION OF A PRELIMINARY ENGINEERING REPORT AND PREPARATION OF DESIGN DRAWINGS AND SPECIFICATIONS FOR THE SOUTH EAST BASIN SEWER REHABILITATION PROJECT - 10/11 - 11/07/08 - ENG
0831121	J AND S LOCKSMITH SHOP	16.95	0.00	16.95	0.00	LOCKS & PINNION ASSEMBLY - DR
0831122	LANGLEY, JOHN N	266.00	0.00	266.00	0.00	MEAL REIMBURSEMENT PER DIEM, TRAIN PASS, CAB FARE, AIRPORT PARKING WHILE ATTENDING WEFTEC WATER QUALITY EVENT CONFERENCE IN CHICAGO - 10/19 - 10/23/08 - DIR
0831123	LAWSON PRODUCTS INC	89.74	0.00	89.74	0.00	GLUE, HEAVY DUTY NYLON SLING - BP
0831124	NAPA AUTO PARTS	41.09	0.00	41.09	0.00	BREAK KIT FOR GOLF CART - DR
0831125	RENFROW, VICKIE R	14.00	0.00	14.00	0.00	COPIES MADE AT THE RECORDERS OFFICE REGARDING CBU SANITARY SEWER SYSTEM - DIR

Claim NBR	Name of Claimant	Total Claim Amount	Water Amount	Wastewater Amount	Stormwater Amount	Memorandum
0831126	SCHAEFFER MFG CO	832.15	0.00	832.15	0.00	55 GALLON BARREL OF 275 SW MOLLY PILEX OIL FOR LIFT STATIONS - LS, TD
0831127	ROGERS GROUP INC	607.82	0.00	607.82	0.00	FILL SAND FOR DRYING BEDS - 11/07/08 - DR
0831128	SEARS AND SONS WASTE REMOVAL	99.75	0.00	99.75	0.00	TRASH REMOVAL @ BLUCHER POOLE WWTP - 11/17/08 - BP
0831129	SIEMENS WATER TECHNOLOGY CORP/ U S FILTER IONPURE INC	258.34	0.00	258.34	0.00	BEARING HOUSING END FOR POLYMER PUMP - BP
0831130	WHITE RIVER CO OP	13.32	0.00	13.32	0.00	MISC DISPOSABLE SYRINGE - DR
0831131	YOUNG TRUCKING INC	52,205.00	0.00	52,205.00	0.00	RENTAL OF DUMP TRUCKS TO HAUL BIO SOLIDS FROM THE DILLMAN LANDFILL TO THE COUNTY LANDFILL LOCATED ON ANDERSON ROAD - 11/04 - 11/08/08 - DR
0831132	ENVIRONMENTAL SERVICES GROUP LAB INC	255.00	0.00	255.00	0.00	TESTING - EFFLUENT COMP 11/06 & 11/13/08, RAW COMP 11/06/08 - DR
0831133	UNITED LABORATORIES INC	1,996.12	0.00	1,996.12	0.00	55 GALLON OF ZYME-OUT USED FOR ODOR CONTROL @ LIFT STATIONS - LS, TD
0831134	AT&T MOBILITY	92.38	0.00	92.38	0.00	SERVICE - WHENDERSON, Y2K, S DRAKE, D MCCONNELL - 10/12 - 11/11/08 - DR
0831135	MARSHALL-BOND PUMPS INC	678.02	0.00	678.02	0.00	TEFLON DIAPHRAGMS FOR PERMANGANATE MACHINES IN BELT PRESS BUILDING - BP
0831136	AT&T MOBILITY	77.16	0.00	77.16	0.00	SERVICE - T FLYNN, B JOHNSON, Y2K - 10/12 - 11/11/08 - BP
0831138	COMMERCIAL SERVICE OF BLOOMINGTON INC	313.20	0.00	313.20	0.00	REPAIR HEAT UNIT IN FILTER PRESS BUILDING - DR
0831139	CUMMINS MID STATE POWER INC	257.29	0.00	257.29	0.00	REPAIR GENERATOR @ 17TH ST LIFT STATION - LS, TD
0831140	J AND S LOCKSMITH SHOP	8.50	0.00	8.50	0.00	LABOR TO REKEY LOCK - DR
0831141	RUMPKE OF INDIANA LLC	6,007.80	0.00	6,007.80	0.00	DISPOSAL OF BELT PRESS SLUDGE - 10/10 - 11/04/08 - BP
0831142	MAXWELLS OFFICE SUPPLY	141.96	0.00	141.96	0.00	2 BLACK INK CARTRIDGES, 2 TRI COLOR INK CARTRIDGES - TD
0831143	WHITE RIVER CO OP	44.99	0.00	44.99	0.00	CARHARTT FLEECE JEANS FOR CAROL MOY @ DILLMAN - DR, PUR
0831144	TAYLOR GEOSYNTHETICS INC	754.00	0.00	754.00	0.00	LABOR FOR REPAIR TO EQ BASIN LINER - DR
0831145	YOUNG TRUCKING INC	4,785.00	0.00	4,785.00	0.00	RENTAL OF DUMP TRUCKS TO HAUL BIO SOLIDS FROM THE DILLMAN ROAD LANDFILL TO THE COUNTY LANDFILL ON ANDERSON ROAD - 11/10/08 - DR
0831146	WHIFFEN MACHINE AND PRESS REPAIR INC	751.43	0.00	751.43	0.00	7 WEAR RINGS FOR PUMPS AT VARIOUS LIFT STATIONS - LS, TD
0831147	SOUTH CENTRAL INDIANA R E M C	22,278.40	0.00	22,278.40	0.00	SERVICE - BLUCHER POOLE WWTP - 10/15 - 11/14/08 - BP
0831148	CITY OF BLOOMINGTON	533,906.00	0.00	507,210.70	26,695.30	50% (PMT #2) OF HEALTH, FLEX & BASIC LIFE INSURANCE FOR 2008 - ACCT
0831149	CITY OF BLOOMINGTON	596,745.96	0.00	596,745.96	0.00	1ST & 2ND QUARTER OF THE 2008 INTERLOCAL AGREEMENT COSTS - ACCT

Claim NBR	Name of Claimant	Total Claim Amount	Water Amount	Wastewater Amount	Stormwater Amount	Memorandum
0870130	DAVE O MARA CONTRACTOR	2,449.69	0.00	0.00	2,449.69	SURFACE BLACKTOP FOR 624 S WALNUT ST DAMAGED BY STORM - 10/21/08 - TO BE REIMBURSED BY FEMA - SW, TD
0870131	DAVE O MARA CONTRACTOR	399.26	0.00	0.00	399.26	SURFACE BLACKTOP FOR 3846 EAST MOORES PIKE DAMAGED BY STORM - 10/27/08 - TO BE REIMBURSED BY FEMA - SW, TD
0870132	SOUTHSIDE RENTAL CENTER INC	140.00	0.00	0.00	140.00	MINI EXCAVATOR RENTAL FOR STORM REPAIR @ 3306 GOSPORT CT - 11/18 - 11/19/08 - SW, TD
0870134	C T L ENGINEERING OF INDIANA INC	4,324.40	0.00	0.00	4,324.40	(D08-53B) - SUBSURFACE INVESTIGATION - BRIDGE REPLACEMENT ON N DUNN ST OVER GRIFFY CREEK - ENG
0870135	EARTH IMAGES INC	99.00	0.00	0.00	99.00	(D08-51) - SODDING FOR E 5TH ST SIDEWALK & DRAINAGE IMPROVEMENTS - ENG
0870136	CONTECH BRIDGE SOLUTIONS, INC	54,300.00	0.00	0.00	54,300.00	(D08-53) - CON/SPAN PRECAST CONCRETE BRIDGE MATERIALS FOR N DUNN ST BRIDGE REPLACEMENT - SW, ENG
0870138	CRIDER AND CRIDER INC	69,034.75	0.00	0.00	69,034.75	(D08-54) - ROGERS ROAD BRIDGE PROJECT (APPLICATION #3) - PERIOD TO: 11/26/08 - SW, ENG
0891688	A T AND T	46.14	18.46	27.68	0.00	LONG DISTANCE CHARGES FOR ALL UTILITIES DEPARTMENTS (EXCLUDING PLANTS) - OCTOBER 2008 - SC
0891689	AIRGAS SPECIALTY PRODUCTS INC	1,767.48	1,767.48	0.00	0.00	AQUA AMMONIA - 22,660 @ .0780 - DELIVERED TO MONROE WTP - 11/11/08 - MN
0891690	B G HOADLEY QUARRIES INC	650.00	650.00	0.00	0.00	REFUND HYDRANT METER DEPOSIT PAID 9/02/08 - RECEIPT #1073 - AR
0891691	BAUGH ENTERPRISES INC	440.00	176.00	264.00	0.00	20,000 RED BILLING STATEMENTS - AR
0891692	BLED SOE RIGGERT AND GUERRETTAZ INC	144.00	144.00	0.00	0.00	(W08-3210) - 2-MAN SURVEY CREW TO RESTAKE SIDEWALK AT 7TH & WOODLAWN - ENG
0891693	BLOOMINGTON SUPPLY CORP	100.32	100.32	0.00	0.00	20' OF 1" BLACK PIPE, 8 UNIONS, THREAD SEAL, RECTORSEAL FOR CHEMICAL FEED SYSTEM - MN
0891694	CSU INC	650.00	650.00	0.00	0.00	REFUND HYDRANT METER DEPOSIT PAID 5/02/07 - RECEIPT #36720 - AR
0891695	CINTAS FIRST AID & SAFETY	121.58	121.58	0.00	0.00	RESTOCK FIRST AID CABINET @ MONROE WTP - 11/18/08 - MN
0891696	CITY OF BLOOMINGTON	19,791.67	6,016.66	13,775.01	0.00	SET RATE FOR UTILITIES VEHICLES PARTS & REPAIRS - NOVEMBER 2008 - MN, TD, MS, DIR, PUR, ENG, DR, BP
0891697	CITY OF BLOOMINGTON	19,791.63	6,016.64	13,774.99	0.00	SET RATE FOR UTILITIES VEHICLES PARTS & REPAIRS - DECEMBER 2008 - MN, TD, MS, DIR, PUR, ENG, DR, BP
0891698	CLEAR CREEK CHRISTIAN CHURCH	100.00	100.00	0.00	0.00	REFUND HYDRANT METER DEPOSIT PAID 5/03/06 - RECEIPT #36689 - AR
0891699	COMMERCIAL SERVICE OF BLOOMINGTON INC	825.51	825.51	0.00	0.00	LABOR & MATERIAL TO INSTALL FAN SWITCH ON HEATING UNIT - SERVICE ON ATLAS COPCO AIR DRYER IN RESIDUALS BUILDING - 11/07/08 - MN
0891700	DILLARD & DILLARD CONSTRUCTION INC	100.00	100.00	0.00	0.00	REFUND HYDRANT METER DEPOSIT PAID 4/11/08 - RECEIPT #1050 - AR
0891701	DONLEY SAFETY	6,830.00	2,732.00	4,098.00	0.00	ZOLL AED, CPR-D DEFIBRILLATION & CPR SYSTEM, II HVP MULTI-FUNCTION ELECTRODES, TRAINING UNIT - DIR
0891702	ENVIRONMENTAL SERVICES GROUP LAB INC	203.00	81.20	121.80	0.00	ANALYSIS OF STREET DEPARTMENT SALT SHED SOIL SAMPLES - 10/02/08 - DIR
0891703	GENERAL CHEMICAL	3,124.77	3,124.77	0.00	0.00	ALUM - 12,254 @ 255.00 - DELIVERED TO MONROE WTP - 11/13/08 - MN

Claim NBR	Name of Claimant	Total Claim Amount	Water Amount	Wastewater Amount	Stormwater Amount	Memorandum
0891704	INDIANA OXYGEN CO	127.72	51.09	76.63	0.00	COMPRESSED OXYGEN TANKS, ACETYLENE DISSOLVED, CUTTING TIP FOR TRUCK #704 - TD
0891705	IRVING MATERIALS INC	3,425.25	1,728.00	940.00	757.25	CONCRETE - 10/17 - 11/07/08 - MISC STORM, WATER, LIFT STATION - TD, SW, LS
0891706	IRVING MATERIALS INC	1,818.00	1,818.00	0.00	0.00	(W08-3209) - CONCRETE - 11/10/08 - TD
0891707	KOORSEN PROTECTION SERVICE INC	75.60	30.24	45.36	0.00	MONITORING FEES - WASHINGTON ST STROAGE - 12/01/08 - 2/28/09 - SC
0891708	MESSER CONSTRUCTION CO	100.00	100.00	0.00	0.00	REFUND HYDRANT METER DEPOSIT PAID 1/04/08 - RECEIPT #1034 - AR
0891709	PITNEY BOWES INC	217.00	86.80	130.20	0.00	SOFTGUARD RATE PROTECTION PLAN - 1/01/09 - 12/31/09 - ACCT
0891710	QUALITY REPAIR SERVICE INC	6,502.90	6,502.90	0.00	0.00	REPAIR GEAR BOX @ GRIFFY DRAIN SLIDE GATE - GR, DR
0891711	RICHARDS SMALL ENGINE	552.96	552.96	0.00	0.00	REPLACE SEAT & SAFETY SWITCH ON DIXIE CHOPPER #711 - MN
0891712	ROGERS GROUP INC	4,074.62	2,797.12	97.70	1,179.80	(W08-3205) - ASPHALT - 10/20 - 11/05/08 - PROJECT #W08-3205, SEWER, STORM (PORTION OF STORM TO BE REIMBURSED BY FEMA), MAIN BREAK - SW, TD
0891713	ROGERS GROUP INC	404.88	265.32	139.56	0.00	(W08-3209) - 11/05 - 11/06/08 - PROJECT #W08-3209, BASSWOOD LIFT STATION - LS, TD
0891714	SEARS AND SONS WASTE REMOVAL	99.75	99.75	0.00	0.00	TRASH REMOVAL @ MONROE WTP - 11/17/08 - MN
0891715	SOUTHSIDE RENTAL CENTER INC	100.00	100.00	0.00	0.00	REFUND HYDRANT METER DEPOSIT PAID 9/27/08 - RECEIPT #1076 - AR
0891716	SOUTHSIDE RENTAL CENTER INC	52.96	21.18	31.78	0.00	FILL PROPANE TANKS TO BE USED BY METER SERVICE - MS, TD
0891717	UNDERWRITERS LABORATORIES INC	185.00	185.00	0.00	0.00	TOTAL ORGANIC CARBON ANALYSIS, DISSOLVED ORGANIC CARBON ANALYSIS, UV254 ANALYSIS - 11/14/08 - MN
0891718	UNITED PARCEL SERVICE	30.78	19.91	10.87	0.00	SHIPPING CHARGES - 11/10/08 - MN, ENG
0891719	UNITED RENTALS	62.50	25.00	37.50	0.00	CONCRETE BROOM FOR TRUCK #826 - TD
0891720	WHITE RIVER CO OP	198.00	66.00	66.00	66.00	GRASS SEED FOR STORM PIPE REPAIR & STOCK - SW, TD
0891721	A T AND T	18.24	4.28	13.96	0.00	LONG DISTANCE CHARGES FOR BLUCHER MAIN LINE, DILLMAN MAIN LINE, DILLMAN FAX, MONROE MAIN LINE, MONROE FAX - OCTOBER 2008 - DR, BP, MN
0891722	BRENNTAG MID-SOUTH INC	4,993.50	4,993.50	0.00	0.00	CP7222P BRENNFLOC POLYMER - 4400 @ 1.1150 - DELIVERED TO MONROE WTP - 11/14/08 - MN
0891723	BRENNTAG MID-SOUTH INC	4,807.75	4,807.75	0.00	0.00	HYPOCHLORITE - 4525 @ 1.01 - DELIVERED TO MONROE WTP - 11/10/08 - MN
0891724	GENERAL CHEMICAL	3,062.81	3,062.81	0.00	0.00	ALUM - 12.011 @ 255.00 - DELIVERED TO MONROE WTP - 11/20/08 - MN
0891726	IRVING MATERIALS INC	268.14	268.14	0.00	0.00	CONCRETE - MISC WATER LINES - 11/17/08 - TD
0891727	MAXWELLS OFFICE SUPPLY	193.15	77.26	115.89	0.00	MISC OFFICE SUPPLIES - 11/10 - 11/18/08 - ENG

Claim NBR	Name of Claimant	Total Claim Amount	Water Amount	Wastewater Amount	Stormwater Amount	Memorandum
0891728	SOUTH CENTRAL CO INC	29.99	29.99	0.00	0.00	THERMOSTAT FOR EAST BOOSTER STATION - BS, TD
0891729	STANSIFER RADIO CO	13.90	13.90	0.00	0.00	REPLACEMENT FUSES FOR AUTO WATER SAMPLER - MN
0891730	AT&T MOBILITY	400.38	156.00	244.38	0.00	SERVICE - SHERFIELD, HOUSEL, MCHALEY, PERRY, KLARICH, HARDIN, RAPER, NEAL, STALEY, R HARDIN, LS CREWS, SCHROEDER, EMERGENCY, CHASTEEN - 10/12 - 11/11/08 - TD
0891731	AT&T MOBILITY	34.78	13.91	20.87	0.00	SERVICE - J MARTINDALE - 10/12 - 11/11/08 - PUR
0891732	AT&T MOBILITY	49.68	49.68	0.00	0.00	SERVICE - J TROTTER, B MILBOURN - 10/12 - 11/11/08 - MN
0891733	AT&T MOBILITY	322.11	128.84	193.27	0.00	SERVICE - HICKS, FLEIG, POWELL, BENGTSON, N AXSOM, MUELLER, NETTLETON, REINHOLD, PEDEN, T AXSOM, MYERS, MCNEAL - 10/12 - 11/11/08 - ENG
0891734	AT&T MOBILITY	108.27	43.31	64.96	0.00	SERVICE - J LANGLEY, R ATZ, S MIYA, J CALLAHAN - 10/12 - 11/11/08 - DIR
0891735	CMC INCORPORATED	1,816.12	1,816.12	0.00	0.00	8 BEARING REPLACEMENT KITS FOR "C TYPE" ROTARY AGITATOR - MN
0891736	AT&T MOBILITY	24.84	9.94	14.90	0.00	SERVICE - CONTROL DESK - 10/12 - 11/11/08 - COMM
0891737	KOORSEN PROTECTION SERVICE INC	307.50	123.00	184.50	0.00	TROUBLE SHOOT FIRE ALARM PANEL & FIRE APPLIANCES TO DETECT APPLIANCE 3 ALARM ISSUE - SC
0891738	CITIMORTGAGE INC	21,335.94	16,603.88	4,732.06	0.00	ENERGY SAVINGS PROJECT - INSTALLMENT CONTRACT - DUE 1/01/09 - ACCT
0891739	GROOMER CONSTRUCTION	14,915.00	14,915.00	0.00	0.00	(W08-3210) - 7TH & WOODLAWN RESTORATION - APPLICATION #1 - PERIOD TO: 9/18/08 - ENG
0891740	A T AND T	413.54	292.09	121.45	0.00	SERVICE - GRIFFY, BARGE LANE TANK, WASHINGTON ST STORAGE, SEWER FLOW - 11/13 - 12/21/08 - GR, BS, SC, ENG
0891741	DUKE ENERGY	43,444.11	3,048.40	40,395.71	0.00	SERVICE - MISC LIFT STATIONS, MISC BOOSTER STATIONS, GRIFFY, WHITEHALL STORAGE, WEST TANK, DILLMAN WWTP - OCTOBER - NOVEMBER 2008 - SC, GR, TD, BS, DR, LS
0891742	VECTREN	6,123.88	2,239.20	3,884.68	0.00	SERVICE - DILLMAN WWTP, MONROE WTP, TAMARRON LS - 10/20 - 11/20/08 - MN, DR, LS
0891743	ZANETT COMMERCIAL SOLUTIONS INC	3,750.00	1,500.00	2,250.00	0.00	ORACLE SUPPORT AND MODIFICATIONS FOR YEAR END 2008 - SC, DIR
0891744	FIA CARD SERVICES NA	599.69	239.88	359.81	0.00	DEBBIE EUBANKS CHARGE CARD PAYMENT FOR ORACLE SUPPORT & LICENSE UPDATE - DUE 12/19/08 - DIR
0891745	FIA CARD SERVICES NA	10,333.04	3,791.04	5,275.33	1,266.67	CHARGE CARD PURCHASES FOR ALL UTILITIES DEPARTMENTS - 10/24/08 - 11/21/08 - DIR, SC, ENG, LAB, MN, TD, BS, MS, DR, LS, SW
Total Claims Amount -		\$1,564,870.08	\$95,301.81	\$1,308,856.15	\$160,712.12	

DEPARTMENTS

ACCT	=	Accounting
BP	=	Blucher Poole WWTP
BS	=	Booster Station
COMM	=	Communications
CR	=	Customer Relations
DIR	=	Directors Office
DR	=	Dillman WWTP
ENG	=	Engineering
ES	=	Environmental Services
GR	=	Griffy WTP
LAB	=	Laboratory
LL	=	Lake Lemon
LS	=	Lift Station
MN	=	Monroe WTP
MS	=	Meter Service
PUR	=	Purchasing
SC	=	Service Center or (USB)
SW	=	Stormwater
TD	=	Transmission & Distribution
WT	=	Winston Thomas

City of Bloomington Utilities Department

Re: Credit Card Purchases for the City of Bloomington, IN Utility Department

Attached is a recent itemized credit card transaction list for the month of November, 2008. This transaction list has been itemized for your information. All transactions are considered in total in the declaration of claims. Purchases are categorized by the purchaser and list the item bought for use by the utility with the corresponding value of the goods purchased.

On the claims list for December 8, 2008 Board Meeting, you will find a total value of credit card transactions for the month of November under claim

#0891744 FIA Card Services.

#0891745 FIA Card Services.

For clarification of any item, please feel free to contact the accounting department.

FIA CHARGE ACCOUNT PAYMENT
DATE ACCOUNT DUE - DECEMBER 19, 2008

DISCLOSURE OF INDIVIDUAL PURCHASES IN EXCESS OF \$300.00.

ABBOTT, CRAIG:	368.00	TANK EXCHANGE FOR WATER SYSTEM DILLMAN LAB
ATZ, RACHEL:	650.56	LODGING DURING CONFERENCE - MILLENNIUM HOTEL, CINCINNATI, OH
MARTINDALE, JULIE:	658.17	GEOPHONES WITH CASES - TD
	1,080.00	TERMINIX DILLMAN
	453.60	TERMINIX DILLMAN
	777.60	TERMINIX SERVICE CENTER
MURPHY, PATRICK:	3,800.00	ONBASE TO SQL DATABASE CONVERSION
SCHROEDER, RICK:	311.00	BATTERIES FOR TAMMORRON LIFT STATION GENERATOR
EUBANKS, DEBRA:	599.69	ORACLE QUARTERLY SOFTWARE UPDATE LICENSE & SUPPORT SC

SEE PAGE 2

FIA CHARGE ACCOUNT PAYMENT
DATE ACCOUNT DUE - DECEMBER 19, 2008

	AMOUNT	Personal Check	Total
ABBOTT, CRAIG	377.44		377.44
ARMSTRONG, DENNIS			-
ATZ, RACHEL M	725.56		725.56
AXSOM, NANCY L			-
AXSOM, TOM			-
BENGTSON, MIKE			-
BROPHY, EVELYN	14.22		14.22
BURLESON, CHRIS	28.96		28.96
CALLAHAN, JON			-
CLOTHIER, CHRISTINE			-
DRAKE, STEVE			-
FAWBUSH, C RANCE			-
FLEIG, JANE			-
FLYNN, TED			-
FREEMAN, DURWARD	552.17		552.17
HARDIN, LARRY			-
HENDERSON, WAYNE			-
HICKS, MICHAEL			-
HOUSEL, KEVIN			-
JOHNSON, BOB			-
JONES, ELIZABETH LEE	10.54		10.54
LANGLEY, JOHN	59.00		59.00
MARTINDALE, JULIE	3,587.48		3,587.48
MCCONNELL, DANNY	216.84		216.84
MCGLOTHLIN, SHEILA			-
MCNEAL, HARVEY			-
MILLER, DEBORAH			-
MIYA, SHAWN			-
MURPHY, PATRICK	3,800.00		3,800.00
MYERS, DAVID	105.46		105.46
NEAL, JOHN			-
NETTLETON, GREG			-
PENDEN, PHILIP			-
PERRY, JOE			-
PIERRARD, LAUREL	275.70		275.70
POWELL, TROY			-
REINHOLD, BYRON			-
SCHROEDER, RICK	444.05		444.05
SHERFIELD, ED	36.00		36.00
STALEY, TOM			-
STINE, RONALD			-
TROTTER, JOHN	99.62		99.62
	10,333.04	Total Due FIA	10,333.04

Personal Check(s)

-

TOTAL CHECK FROM CBU	\$	10,333.04
-----------------------------	-----------	------------------

SEE PAGE 3

FIA CHARGE ACCOUNT PAYMENT
DATE ACCOUNT DUE - DECEMBER 19, 2008

EUBANK, DEBRA

AMOUNT	Personal Check	Total
599.69		599.69
599.69	Total Due FIA	599.69

Personal Check(s)

TOTAL CHECK FROM CBU	\$	599.69
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MODEL SIGNATORY AUTHORIZATION RESOLUTION

WHEREAS, the City of Bloomington, Indiana, herein called the community, has plans for sanitary sewer rehabilitation project to meet State and Federal regulations, such as the NPDES discharge limitations, and the community intends to proceed with the construction of such works:

WHEREAS, the City of Bloomington, has adopted this Resolution dated December 8, 2008.

NOW, THEREFORE, BE IT RESOLVED by the Utilities Service Board of the City of Bloomington Utilities Department, the governing body of said community, that:

- 1. Patrick Murphy, Director of the City of Bloomington Utilities Department, be authorized to provide the SRF Loan Program information, data and documents pertaining to the loan process as may be required, and otherwise act as the authorized representative of the community.**
- 2. The community agrees to comply with the Indiana Department of Environmental Management, State of Indiana and Federal requirements as they pertain to the SRF.**
- 3. That two certified copies of the resolution be prepared and submitted as part of the community's Preliminary Engineering Report.**

ADOPTED this 8th day of December, 2008.

THE CITY OF BLOOMINGTON, INDIANA

BY AND THROUGH UTILITIES SERVICE BOARD OF ITS DEPARTMENT OF UTILITIES

AUTHORIZED SIGNATORY

_____ **BY:** _____

ATTEST: _____

MODEL PER ACCEPTANCE RESOLUTION

WHEREAS, the City of Bloomington, Monroe County, Indiana, by and through its Utilities Department has caused a Preliminary Engineering Report, PER, dated December 2008, to be prepared by the consulting firm of Greeley and Hansen; and

WHEREAS, said plan has been presented to the public at a public hearing held on November 25, 2008, for their comments; and

WHEREAS, the Utilities Service Board of the City of Bloomington Utilities Department finds that there was not sufficient evidence presented in objection to the recommended project in the Preliminary Engineering Report.

NOW, THEREFORE BE IT RESOLVED THAT:

**The South East Sewer Basin Preliminary Engineering Report dated December 2008 be approved and adopted by the Utilities Service Board of the City of Bloomington Utilities Department; and
That said PER be submitted to the State Revolving Fund Loan Program for review and approval.**

Passed and adopted by the Utilities Service Board of the City of Bloomington Utilities Department this 8th day of December, 2008 at their regularly scheduled meeting.

President/Mayor

Member

Member

Member

Attest: _____



CITY OF BLOOMINGTON UTILITIES DEPARTMENT

South East Sewer Basin Preliminary Engineering Report

Public Hearing
November 25, 2008

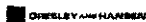
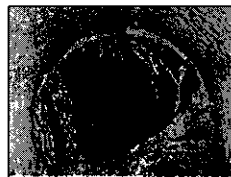
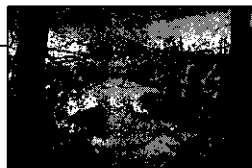
Agenda

- Project Need
- Alternatives Evaluation
- Recommended Plan
- Environmental Impact
- Project Financing
- Schedule



Project Need

- Protect public health and environment
- Restore aging sanitary sewers



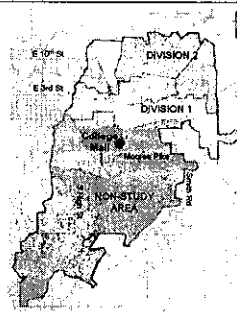
Project Need (Cont'd)

• Basin Statistics

- 5.7 square miles
- 76 miles of sewer
- 2,300 manholes

• Sewer Evaluations

- Flow monitoring
- Smoke testing
- Dyed-water flooding
- Manhole inspections
- Late night flow isolations
- Internal TV inspection



Alternatives Evaluation

• Alt. 1 - Optimize Operation of Sewer System

- Will not expand or upgrade the sewer system
- Utility has an aggressive sewer cleaning and inspection program
- Does not address aging sanitary sewers

• Alt. 2 - Sewer Capacity Improvements

- Install larger sanitary sewers to convey wet weather flows
- Does not address the root cause of sewer overflows (aging sewer system)
- Will increase annual average flow to the South WWTP – as sewer system ages the plant may require expansion sooner than necessary
- Will require more expensive capital projects to prevent the occurrence of sewer overflows in the lower reaches of the sewer system

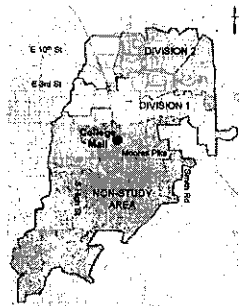
Alternatives Evaluation (Cont'd)

• Alt 3. – Sewer Rehabilitation

- Systematic inspection and rehabilitation addresses the aging infrastructure which is the root cause of sewer overflows
- Reduces flows to the treatment plant, preserving capacity for sustained development
- Rehabilitation in urban areas is less expensive than replacement (further deterioration may preclude rehabilitation)
- Utility has seen positive results from sewer rehabilitation projects in the past

Recommended Plan

- Scope of Work
 - Division 1
 - 4.2 miles of sewer
 - 133 manholes
 - Division 2
 - 3.7 miles of sewer
 - 137 manholes
- Purpose
 - Restore aging sewers
 - Reduce SSOs
- Estimated Project Cost
 - Division 1 - \$1.4M
 - Division 2 - \$1.6M

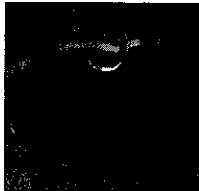


GRIELEY AND HANSEN

Recommended Plan (Cont'd)

- Sewer Rehabilitation (minimum 50 year service life)

Before



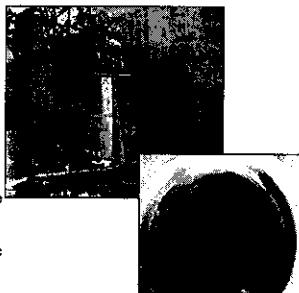
After



GRIELEY AND HANSEN

Environmental Impact

- Sewer Rehabilitation
 - Within existing right-of-way/ easements on previously disturbed land
 - Proposed rehabilitation method can renew sewer infrastructure from surface (no digging)
 - Structural liner provides a pipe with no joints
 - No impact to wetlands, floodways, streams, or historic structures



GRIELEY AND HANSEN

Project Financing

- Existing SRF loan will be used to finance Division 1 project
- Division 2 to be financed at a later date.

 ORRELEY AND HANSEN

Schedule

<u>Item</u>	<u>Completion Date</u>
Public Hearing	Nov. 25, 2008
End Public Comment Period	Dec. 5, 2008
USB Adopt PER	Dec. 8, 2008
Submit PER to IDEM	Dec. 9, 2008
IDEM Approval of PER	January 2009
Bid Div. 1 Project	February 2009
Begin Div. 1 Construction	March 2009
Complete Div. 1 Construction	June 2009

 ORRELEY AND HANSEN

Questions?

 ORRELEY AND HANSEN

South East Sewer Basin PER
Public Hearing
Meeting Notes

November 25, 2008

1. The purpose of the public hearing is to receive public comments on the Preliminary Engineering Report for the proposed South East Sewer Basin Sewer Rehabilitation project. This is a requirement to qualify for a State Revolving Fund loan.
2. Written comments will be accepted for the next 10 days. Written comments should be sent to Patrick Murphy, 600 East Miller Drive, Bloomington, IN 47401.
3. During heavy rains, the sewer system overflows due to rain water and ground water entering and overwhelming the aging sewer infrastructure, which can affect public health.
4. The South East Sewer Basin is 5.7 square miles and consists of approximately 76 miles of sewer and 2,300 manholes. The South East Sewer Basin was studied to identify high priority locations with respect to sewer overflows. The evaluation included flow monitoring, smoke testing, dyed-water testing, manhole inspections, late night flow isolations and internal TV inspection.
5. Three alternatives were evaluated to restore the capacity and integrity of the sewer system.
 - a. Alternative 1 was to optimize the operation of the existing sewer system. The City already has a proactive sewer operation and maintenance program. This alternative would not address the aging infrastructure.
 - b. Alternative 2 was to install larger capacity sewers to convey wet weather flows to the wastewater treatment plant. This alternative would not address the root cause of the problem – aging infrastructure.
 - c. Alternative 3 was to rehabilitate the sewers. This alternative addresses the root cause of the problem and will reduce flow to the wastewater treatment plant. The City has seen positive results from sewer rehabilitation in the past.
6. The orange shaded area was not studied because the sewers in that area are newer and are PVC. Experience indicates that PVC sewers installed with newer construction methods have minimal defects. Sewer rehabilitation is recommended for the green and yellow shaded areas. The project was divided into two divisions for two different funding mechanisms.
7. Sewer rehabilitation is performed above ground in existing right-of-ways and easements. No digging is required. There are no impacts to wetlands, floodways, streams or historic structures.
8. An SRF loan was secured in 2005 to complete sewer rehabilitation in the Central East sewer basin. Bids were lower than anticipated, therefore Division 1 of the South East Sewer Rehabilitation project will be funded with the remaining SRF funds from the 2005 loan. Division 2 will be financed at a later date.
9. The schedule indicates that construction of Division 1 will likely be complete around June 2009.
10. No comments were received.

Section 5 Selected Plan

The selected plan consists of sanitary sewer rehabilitation to upgrade aging infrastructure that suffers from high infiltration rates. The average age of the sanitary sewers recommended for rehabilitation is approximately 50 years. The proposed sanitary sewer rehabilitation consists of approximately 41,600 feet of pipe and approximately 270 manholes. **Table 5-1** summarizes the proposed sanitary sewer rehabilitation. **Table 5-2** summarizes the proposed manhole rehabilitation. **Figure 5-1** shows the location of sewers and manholes selected for rehabilitation.

Table 5-3 shows the estimate of construction cost for the selected plan to be approximately \$2,975,000.

The recommended project is expected to have a positive long-term environmental impact on water quality and public health due to reduced wet weather-related sanitary sewer overflows.



Table 5-1
Mini-Basin No. 1
Pipeline Rehabilitation Schedule

Sewer Segment		Diameter (in)	Approximate Length (ft)	Unit Price (\$/LF)	Construction Cost Opinion ¹
U/S Manhole	D/S Manhole				
1650	1649	8	100	32	\$3,200
1649	1648	8	250	32	\$8,000
1648	1614	8	265	32	\$8,480
1615	1614	10	285	35	\$9,975
1651	1615	8	275	32	\$8,800
1616	1615	10	300	35	\$10,500
1617	1616	10	190	35	\$6,650
1618	1617	10	300	35	\$10,500
2464	7024	8	350	32	\$11,200
7024	2463	8	350	32	\$11,200
2463	2453	8	350	32	\$11,200
		TOTAL	3,015		\$99,705

¹ CIPP liner costs include cleaning, pre & post televising, bypass pumping & lateral reinstatements

Table 5-1 (Cont'd)
Mini-Basin No. 2
Pipeline Rehabilitation Schedule

Sewer Segment		Diameter (in)	Approximate Length (ft)	Unit Price (\$/LF)	Construction Cost Opinion ¹
U/S Manhole	D/S Manhole				
4861	4860	8	305	32	\$9,760
4860	4859	8	310	32	\$9,920
4859	4858	8	310	32	\$9,920
4858	4857	8	115	32	\$3,680
4857	4856	8	315	32	\$10,080
4856	4855	8	245	32	\$7,840
4855	4854	8	135	32	\$4,320
4854	4853	8	105	32	\$3,360
4853	9855	8	165	32	\$5,280
4862	9854	8	155	32	\$4,960
4888	4887	8	285	32	\$9,120
4887	4886	8	185	32	\$5,920
4886	4885	8	195	32	\$6,240
4885	4884	8	215	32	\$6,880
4884	4883	8	240	32	\$7,680
4908	4907	8	195	32	\$6,240
4907	4906	8	200	32	\$6,400
4906	4905	8	155	32	\$4,960
4905	4904	8	315	32	\$10,080
4904	4903	8	310	32	\$9,920
4903	4837	8	310	32	\$9,920
4837	4835	8	180	32	\$5,760
4835	4834	8	120	32	\$3,840
4526	4525	10	270	35	\$9,450
		TOTAL	5,335		\$171,530

¹ CIPP liner costs include cleaning, pre & post televising, bypass pumping & lateral reinstatements

Table 5-1 (Cont'd)
Mini-Basin No. 3
Pipeline Rehabilitation Schedule

Sewer Segment		Diameter (in)	Approximate Length (ft)	Unit Price (\$/LF)	Construction Cost Opinion ¹
U/S Manhole	D/S Manhole				
2904	2903	8	280	32	\$8,960
2860	2858	8	380	32	\$12,160
2858	2855	8	345	32	\$11,040
2855	2854	8	195	32	\$6,240
2854	2851	8	190	32	\$6,080
2851	2850	8	120	32	\$3,840
2853	2852	8	285	32	\$9,120
2852	2851	8	220	32	\$7,040
2883	2882	8	180	32	\$5,760
2882	2881	8	190	32	\$6,080
2884	2881	8	130	32	\$4,160
2881	2880	8	325	32	\$10,400
2880	2871	8	120	32	\$3,840
2878	2873	8	200	32	\$6,400
2873	2872	8	360	32	\$11,520
2872	2871	8	355	32	\$11,360
2832	2831	8	340	32	\$10,880
2831	2828	8	350	32	\$11,200
2816	2813	8	320	32	\$10,240
		TOTAL	4,885		\$156,320

¹ CIPP liner costs include cleaning, pre & post televising, bypass pumping & lateral reinstatements

Table 5-1 (Cont'd)
Mini-Basin No. 4
Pipeline Rehabilitation Schedule

Sewer Segment		Diameter (in)	Approximate Length (ft)	Unit Price (\$/LF)	Construction Cost Opinion ¹
U/S Manhole	D/S Manhole				
1645	1643	8	375	32	\$12,000
1644	1643	8	275	32	\$8,800
1643	1641	8	330	32	\$10,560
1642	1641	8	355	32	\$11,360
1639	1638	8	150	32	\$4,800
1638	1637	8	55	32	\$1,760
1637	1636	8	160	32	\$5,120
1646	1636	8	215	32	\$6,880
1636	1629	8	200	32	\$6,400
1632	1631	8	205	32	\$6,560
1631	1630	8	315	32	\$10,080
1630	1629	8	310	32	\$9,920
1629	1628	8	320	32	\$10,240
1628	1627	8	320	32	\$10,240
1627	1626	8	285	32	\$9,120
1626	1625	8	355	32	\$11,360
1625	1624	8	250	32	\$8,000
1624	1612	8	180	32	\$5,760
		TOTAL	4,655		\$148,960

¹ CIPP liner costs include cleaning, pre & post televising, bypass pumping & lateral reinstatements

Table 5-1 (Cont'd)
Mini-Basin No. 5
Pipeline Rehabilitation Schedule

Sewer Segment		Diameter (in)	Approximate Length (ft)	Unit Price (\$/LF)	Construction Cost Opinion ¹
U/S Manhole	D/S Manhole				
2025	2024	8	300	32	\$9,600
2026	2025	8	300	32	\$9,600
2027	2026	8	295	32	\$9,440
2028	2027	8	195	32	\$6,240
2029	2028	8	200	32	\$6,400
2030	2029	8	250	32	\$8,000
2031	2030	8	200	32	\$6,400
2059	2058	8	300	32	\$9,600
2058	2057	8	200	32	\$6,400
2057	2056	8	215	32	\$6,880
2070	2056	8	140	32	\$4,480
2056	2055	8	185	32	\$5,920
2055	2052	8	190	32	\$6,080
2052	2047	8	180	32	\$5,760
2049	2048	8	300	32	\$9,600
2048	2047	8	220	32	\$7,040
2047	2037	8	210	32	\$6,720
2037	2036	10	360	35	\$12,600
2039	2038	8	200	32	\$6,400
2038	2037	8	155	32	\$4,960
		TOTAL	4,595		\$148,120

¹ CIPP liner costs include cleaning, pre & post televising, bypass pumping & lateral reinstatements

Table 5-1 (Cont'd)
Mini-Basin No. 6
Pipeline Rehabilitation Schedule

Sewer Segment		Diameter (in)	Approximate Length (ft)	Unit Price (\$/LF)	Construction Cost Opinion ¹
U/S Manhole	D/S Manhole				
1812/1966	1965	8	300	32	\$9,600
1965	3043	8	70	32	\$2,240
3043	1962	8	205	32	\$6,560
1821	1962	8	155	32	\$4,960
1963	1962	8	230	32	\$7,360
1962	1961	8	265	32	\$8,480
1961	1960	8	400	32	\$12,800
1960	1959	8	375	32	\$12,000
1959	1958	10	175	35	\$6,125
1958	6582	10	200	35	\$7,000
1956	1955	10	355	35	\$12,425
3038	3037	6	220	32	\$7,040
3037	3043	6	145	32	\$4,640
1955	1954	10	170	35	\$5,950
		TOTAL	3,265		\$107,180

¹ CIPP liner costs include cleaning, pre & post televising, bypass pumping & lateral reinstatements

Table 5-1 (Cont'd)
Mini-Basin No. 9
Pipeline Rehabilitation Schedule

Sewer Segment		Diameter (in)	Approximate Length (ft)	Unit Price (\$/LF)	Construction Cost Opinion ¹
U/S Manhole	D/S Manhole				
3859	3858	8	215	32	\$6,880
3939	3233	8	140	32	\$4,480
3934	3233	8	75	32	\$2,400
3239	3238	12	290	45	\$13,050
3238	3237	12	365	45	\$16,425
3237	3236	12	280	45	\$12,600
3236	3235	12	210	45	\$9,450
3945	3944	8	225	32	\$7,200
3956	3955	8	80	32	\$2,560
3963	3961	10	200	35	\$7,000
3961	3959	10	150	35	\$5,250
3959	3955	10	115	35	\$4,025
3955	3952	10	75	35	\$2,625
3952	3951	10	205	35	\$7,175
3951	3948	10	220	35	\$7,700
3948	3947	10	245	35	\$8,575
3947	3944	10	245	35	\$8,575
3944	3235	10	30	35	\$1,050
3235	3234	12	220	45	\$9,900
3234	3233	12	315	45	\$14,175
3233	3232	12	295	45	\$13,275
3232	3231	12	205	45	\$9,225
3231	3230	12	60	45	\$2,700
3230	3229	12	260	45	\$11,700
3229	3228	12	265	45	\$11,925
3228	3227	12	340	45	\$15,300
3227	3226	12	210	45	\$9,450
3226	3225	12	240	45	\$10,800
3225	7652	12	60	45	\$2,700
7652	3224	12	155	45	\$6,975
3224	3223	12	200	45	\$9,000
3223	9948	12	270	45	\$12,150
TOTAL			6,460		\$266,295

¹ CIPP liner costs include cleaning, pre & post televising, bypass pumping & lateral reinstatements

Table 5-1 (Cont'd)
Mini-Basin No. 12
Pipeline Rehabilitation Schedule

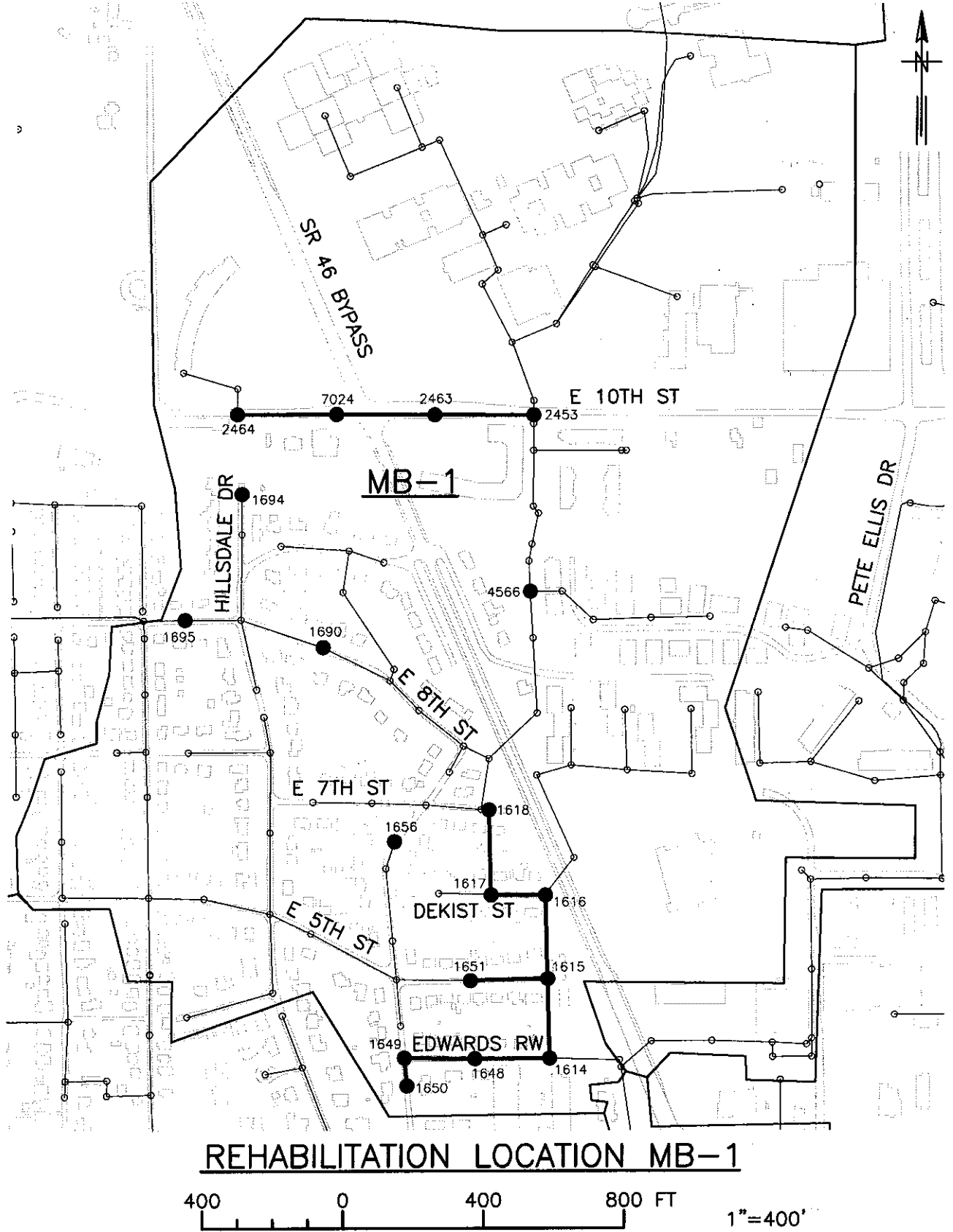
Sewer Segment		Diameter (in)	Approximate Length (ft)	Unit Price (\$/LF)	Construction Cost Opinion ¹
U/S Manhole	D/S Manhole				
1820	1819	8	270	32	\$8,640
1819	1818	8	255	32	\$8,160
1818	1817	8	360	32	\$11,520
1817	1804	8	275	32	\$8,800
1805	1804	8	240	32	\$7,680
1806	1805	8	240	32	\$7,680
1799	1798	8	210	32	\$6,720
1798	1796	8	315	32	\$10,080
1797	1796	8	175	32	\$5,600
1796	1795	8	145	32	\$4,640
1795	1794	8	335	32	\$10,720
1794	1793	10	310	35	\$10,850
1793	1792	10	380	35	\$13,300
1869	10160	8	135	32	\$4,320
1866	1865	8	255	32	\$8,160
1865	1864	8	255	32	\$8,160
1864	1792	8	230	32	\$7,360
1944	1790	8	240	32	\$7,680
1938	1937	8	200	32	\$6,400
1942	1941	8	65	32	\$2,080
1941	1940	8	165	32	\$5,280
1940	1939	8	150	32	\$4,800
1939	1937	8	200	32	\$6,400
1937	1936	8	30	32	\$960
1936	1935	8	145	32	\$4,640
2011	2010	8	240	32	\$7,680
2010	2009	8	245	32	\$7,840
2009	2008	8	95	32	\$3,040
2008	2006	8	165	32	\$5,280
2006	1998	8	205	32	\$6,560
2003	2002	8	325	32	\$10,400
1995	1991	10	315	35	\$11,025
1987	1986	10	235	35	\$8,225
1986	1783	10	240	35	\$8,400
		TOTAL	7,645		\$249,080

¹ CIPP liner costs include cleaning, pre & post televising, bypass pumping & lateral reinstatements

**Table 5-2
Manhole Rehabilitation Schedule**

Mini-Basin Location	Manhole Quantity	Unit Price (\$)¹	Construction Cost
1	18	3,500	\$63,000
2	42	3,500	\$147,000
3	38	3,500	\$133,000
4	22	3,500	\$77,000
5	30	3,500	\$105,000
6	18	3,500	\$63,000
8	11	3,500	\$38,500
9	45	3,500	\$157,500
12	46	3,500	\$161,000
TOTAL	270		\$945,000

¹ Based on sewer manhole lining and chemical grouting

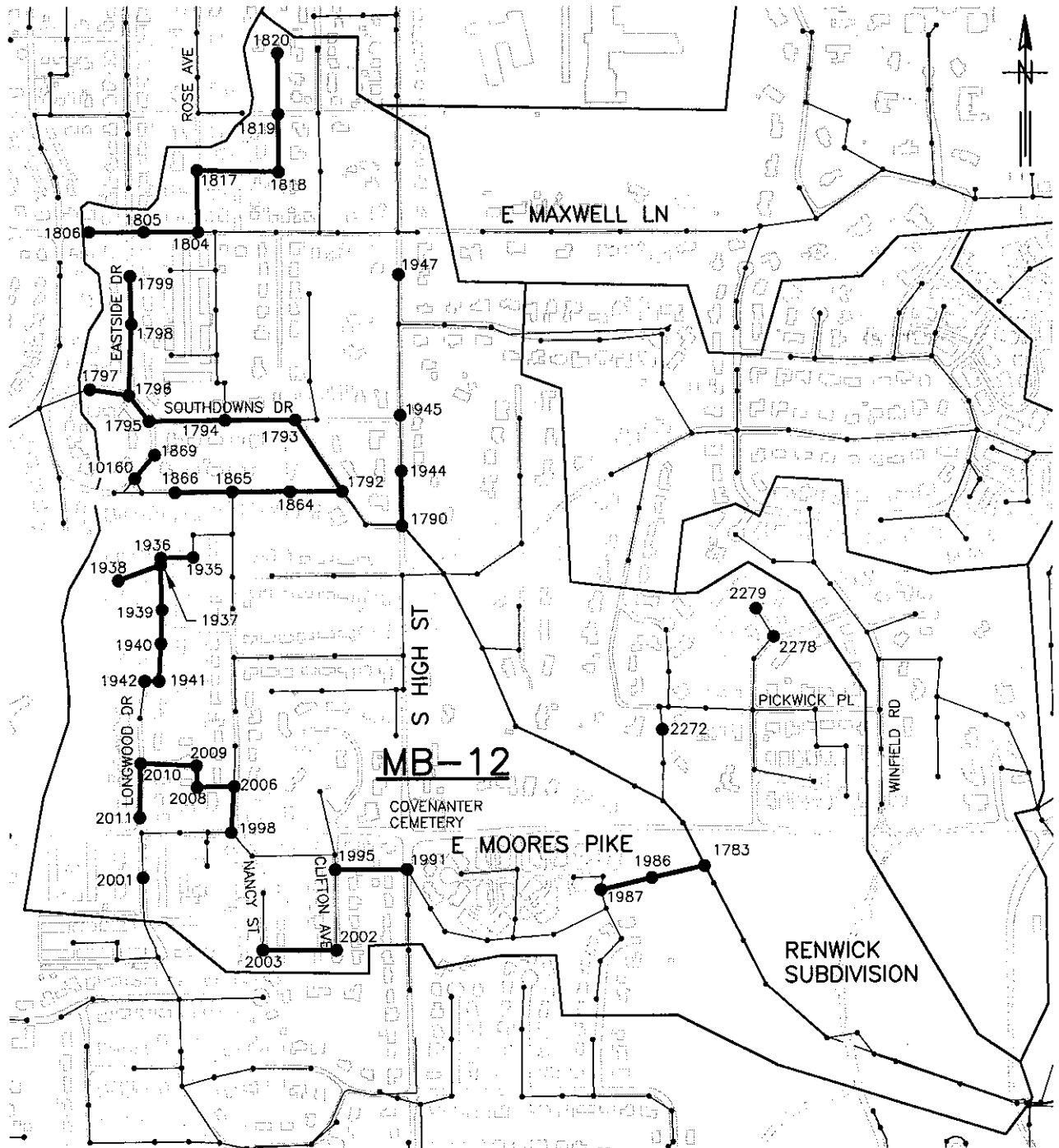


REHABILITATION LOCATION MB-1



GREELEY AND HANSEN

CITY OF BLOOMINGTON UTILITIES
SOUTH EAST SEWER BASIN
PRELIMINARY ENGINEERING REPORT



REHABILITATION LOCATION MB-12

700 0 700 1400 FT 1"=700'



GREELEY AND HANSEN

CITY OF BLOOMINGTON UTILITIES
SOUTH EAST SEWER BASIN
PRELIMINARY ENGINEERING REPORT

Table 5-3
Rehabilitation Summary and Cost

Project Location	Construction Cost Opinion	
	<u>Manhole</u>	<u>Pipeline</u>
Mini-basin 1	\$63,000	\$99,705
Mini-basin 2	\$147,000	\$171,530
Mini-basin 3	\$133,000	\$156,320
Mini-basin 4	\$77,000	\$148,960
Mini-basin 5	\$105,000	\$148,120
Mini-basin 6	\$63,000	\$107,180
Mini-basin 8	\$38,500	\$56,910
Mini-basin 9	\$157,500	\$266,295
Mini-basin 12	<u>\$161,000</u>	<u>\$249,080</u>
TOTAL	\$945,000	\$1,404,100
Subtotal Construction Cost:		\$2,349,100
Construction Contingency, 10%:		\$234,910.00
TOTAL		\$2,584,010
Engineering Design, 8%		\$206,721
Administrative, Legal and Bond, 7%		\$180,881
Total Project Cost:		\$2,971,612

Section 6 Legal, Financial, Institutional and Managerial Capabilities

6.1 Financing

The City of Bloomington Utilities Department has completed collection system improvements in the Central East Sewer Basin under SRF Loan WW 06555305. Due to the competitive market and the low bids received for this work, SRF disbursements were lower than originally anticipated. The SRF loan amount was \$3.1 million. The remaining SRF funds available to finance sewer system rehabilitation in the South East Sewer Basin is summarized below:

SRF Loan Amount	\$3,100,000
CENTRAL EAST BASIN PROJECT	
Contract No.1	\$ 867,800
Contract No.2	\$ 845,200
Remaining Funds	<u>\$ 1,387,000</u>

The South East mini-basins have been prioritized for rehabilitation based on flow monitoring results, location relative to an overflow and condition assessments based on CCTV inspections as follows: 6,9,4,5,1,2,3,8 and 12. The cost estimate for rehabilitating mini-basins 6,9,4,5 and 1 is approximately \$1.36M. The City of Bloomington Utilities' hereby requests to utilize the remaining SRF funds on sewer system rehabilitation for mini-basins 6,9,4,5 and 1 in the South East Sewer Basin.

The remainder of the selected plan will be financed at a later date.

City of Bloomington Utilities Department
South East Sewer Basin Collection System Improvements

Section 6

6.2 Proposed Schedule

The proposed project schedule for the collection system improvements is as follows:

<u>Activity</u>	<u>Date</u>
Public Hearing	November 2008
Submit PER to IDEM	November 2008
IDEM Approval of PER	January 2009
Begin Rehabilitation	March 2009
Complete Rehabilitation	June 2009

The anticipated drawdown schedule for the remaining SRF funds is as follows:

Month	Amount	Balance
February 2009	\$0	\$1,387,000
March 2009	\$554,800	\$832,200
April 2009	\$277,400	\$554,800
May 2009	\$138,700	\$416,100
June 2009	\$208,050	\$208,050
July 2009	\$208,050	\$0